II. *Mr.* Stephen Gray, *F. R. S. his laſt Letter to* Granville Wheler, *Eſq; F. R. S. concerning the* Revolutions *which ſmall* pendulous Bodies *will, by* Electricity, *make round larger ones from Weſt to Eaſt as the* Planets *do round the* Sun.

I HAVE lately made ſeveral new Experiments upon the projectile and pendulous Motion of ſmall Bodies by Electricity, by which ſmall Bodies may be made to move about larger ones, either in Circles or Ellipſes, and that either concentrical or excentrical to the Center of the larger Bodies about which they move, ſo as to make many Revolutions about them; and this Motion will be conſtantly the ſame Way that the Planets move about the Sun, *viz.* from the Right to the Left, or from Weſt to Eaſt: But theſe little *Planets*, if I may ſo call them, move much faſter in their *Apogeon*, then in the *Perigeon* Parts of their Orbits; which is, as you very well know, directly contrary to the Motion of the Planets about the Sun. I have not yet communicated theſe Experiments to the Royal Society, being in hopes of making ſome farther Diſcovery, or at leaſt of ſhewing them after ſomewhat more elegant a manner than I make them at preſent, when you may expect to hear a farther Account of them from

S I R,

London, Feb. 6th, 173⅝.

Your moſt Obedient Humble Servant,

Stephen Gray.